

CWO 713X (SURFACE ENGINEERING)

DESIGNATOR DESCRIPTION

Surface Engineering Technicians serve as officer technical managers in the field of surface ship marine engineering, including maintenance and repair of main propulsion (gas turbine, diesel, steam, and combined diesel-gas turbine), electrical, and auxiliary machinery and systems, ship's hull, structure and associated fittings, and practical and theoretical damage control procedures; plans, administers, and supervises the installation, operation, maintenance, and repair of equipment; makes ship alterations or design modifications; formulates, directs, and evaluates training programs; writes reports and provides technical assistance and advice; plans, organizes, and controls industrial shop production; develops and administers policy and procedures for regulating and integrating work or repair facilities; applies many elements of total quality management and quality assurance; uses computerized management information systems.

They may serve as, but not limited only to serving as; officers in charge, chief engineers, main propulsion assistant, damage control assistant, auxiliary officers, electrical officers, repair officers, material officers, or in various operational and staff billets.

YRS COMM SVC		<u>SEA</u> CAREER PATTERN <u>SHORE</u>	
MA DEGREE	15	FOURTH AT-SEA TOUR: PRINCIPAL ASSISTANT TYPE BILLETS ON LSD/LHD/LHA/CVN	DEPARTMENT HEAD/OIC/DIVISION OFFICER SWESC GLAKES ATGWPAC SHIP REPAIR FACILITY SASEBO SWOS SITE SDGO/NORVA DC FF AOIC – CNAF 3M TEAM OIC USCG LICENSE (3RD, 2ND, 1ST, CHIEF)
	CWO5		
BS or MS DEGREE	11	THIRD AT-SEA DIVISION OFFICER TOUR SEEK OUT PRINCIPAL ASSISTANT TYPE BILLETS ON LSD/LHD/LHA/CVN PC CHENG	DEPARTMENT HEAD/OIC/DIV'O PRESINSURV/ATG/EAA/EAP/SAFETY CENTER/NAVAL ACADEMY/CNSS 5 /DESRON15/COMLCSSRON/MARMC/SERMC /SWRMC/SWESC GL/SWOS NPT/SWOS ENG SDGO/NORVA/SBT/ACU/NBU 7/NSW BTC/COMNAVPERSCOM (MPT&E) SWOS SITE SDGO/NORVA DC FF AOIC USCG LICENSE (3RD, 2ND, 1ST, CHIEF)
	CWO4		
AA or BS DEGREE	7	SECOND AT-SEA DIVISION OFFICER TOUR PC CHENG DDG MPA CG MPA LCS MPA LSD/LPD AUX/ELECTRO/DCA	DEPARTMENT HEAD/OIC/DIV'O *AVAILABLE SHORE TOUR* DCA/SE INSTRUCTOR (SAN DIEGO/NORFOLK) CNSS-5 REPAIR OFF USCG LICENSE (3RD, 2ND, 1ST, CHIEF)
	CWO3		
AQD: E00W - LC1/2/3/6/7/8, OOD - LB2, TAO - LF6/7 AQD Shore: CB3/CB4; CD3/CD4			
	3	FIRST AT-SEA DIVISION OFFICER TOUR *PC CHENG (OPPORTUNITY TO THOSE WITH SUPPORTING EXPERIENCE)* CG/DDG MPA LHD BOILERS OFF LCS MPA LSD/LPD AUX/ELECTRO/DCA CVN FM/REP OFF	1 ST AND 2 ND TOURS ARE AT SEA
	CWO2		
AQD: E00W - LC1/2/3/6/7/8; OOD - LB2,			

NOTES: THE BILLETS LISTED ARE NOT ALL INCLUSIVE. THE AQDS LISTED ARE THE BASELINE QUALIFICATIONS. THERE ARE OTHER AQDS THAT CAN BE EARNED DUE TO ADDITIONAL DUTIES AT A COMMAND.